

A FREQUENCY SENSITIVE INDUCTANCE DEVICE
IN POTS SPLITTER DESIGN
ABSTRACT OF THE DISCLOSURE

POTS splitter design which incorporates a low-pass filter which improves the voice-band return loss characteristics without sacrificing performance with regard to the voice-band insertion loss or the ADSL-band attenuation distortion. This is accomplished by replacing the inductor of the conventional POTS splitter low-pass circuit with a parallel-connected inductor and resistor.